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Subject: Cap Rating for XO?

Posted by [GarMan](#) on Wed, 24 Nov 2004 00:47:25 GMT

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Hi Wayne. When building a passive XO from scratch, what's an appropriate voltage rating for caps? By my calculation, a 200W amp only puts out 40V into 8ohms. This would mean that Solen's lowest rated caps at 250V should be fine, right? No need to use their PPE series of 650V?Gar.

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Subject: Re: Cap Rating for XO?

Posted by [Wayne Parham](#) on Wed, 24 Nov 2004 09:08:21 GMT

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Peak voltage is 1.414 times greater than RMS, so always consider that when choosing capacitors. And there are some frequencies where LC peaking can raise voltage across some components

crossover. The source voltage is 50Vrms (70Vpeak) and there are graphs for each component showing the voltage across them as a function of frequency.